



SECOR  
INTERNATIONAL  
INCORPORATED

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3017 Kilgore Road, Suite 100  
Rancho Cordova, CA 95670  
916-861-0400 TEL  
916-861-0430 FAX

May 15, 2006

Mr. John Jang  
Regional Water Quality Control Board - San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, CA 94612

RE: **Well Destruction Report**  
Former ARCO Service Station No. 2135  
440 3<sup>rd</sup> Street  
San Rafael, California  
SECOR Project No.: 77BP.02135.06.0636

Dear Mr. Jang:

SECOR International Inc. (SECOR) on behalf of Atlantic Richfield Company (ARC), a BP affiliated company, is submitting this report to document the destruction of nine offsite monitoring wells at former ARCO Service Station No. 2135 located at 440 3<sup>rd</sup> Street in San Rafael, California (Figures 1 and 2). The report has been prepared in response to a California Regional Water Quality Control Board (RWQCB) San Francisco Bay Region letter dated January 5, 2006, requesting that the site-related groundwater monitoring wells be destroyed as part of the final closure requirement (Attachment A).

## **WELL DESTRUCTION**

**Permitting/Utility Clearance** – Prior to beginning field work, URS Corporation (URS) obtained well destruction permits from the Marin County Environmental Health Services Department (MCEHSD) (Attachment B). Prior to conducting subsurface work at the site, Underground Service Alert (USA) was contacted to delineate subsurface piping near the site with surface markings. In addition, a private utility locator service was contracted to clear each well location.

**Health and Safety** – A *Health and Safety Plan* was prepared for the scope of work as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The document was reviewed and signed by all applicable personnel and subcontractors performing work at the site.

**Well Destruction** – On March 16 and 17, 2006, URS oversaw the destruction of nine groundwater monitoring wells located near the subject site. The wells were destroyed by pressure grouting each well from total depth to the ground surface, then removing the well box and concrete apron. Wells MW-7 and MW-8 were pressure-grouted from 30 feet below ground surface (bgs) to grade and well MW-9 was pressure-grouted from 16 feet bgs to grade. MW-10 through MW-15 were pressure-grouted from 15 feet bgs to grade (Table 1).

After each well box and concrete apron was removed, each well was capped with either concrete or asphalt to match existing grade. The well boxes and concrete aprons were saved for future use and removed from the site and properly disposed. Copies of the field notes summarizing well destruction activities are provided in Attachment C.

Well Destruction Report  
ARCO Service Station No. 2135  
May 15, 2006  
Page 2

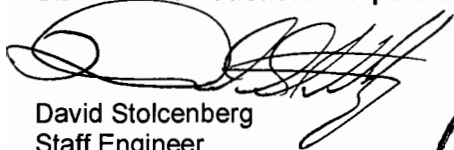
## WASTE DISPOSAL

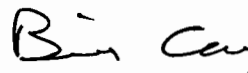
No soil cuttings were generated during well destruction. Debris generated during wellbox extraction was removed by the sub contractor.

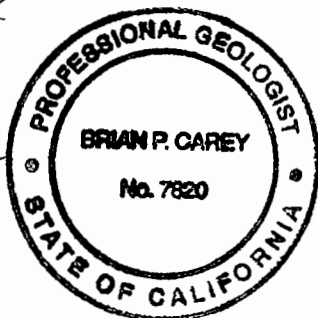
## CONCLUSIONS

On March 16 and 17, 2006, URS oversaw the destruction of nine offsite monitoring wells. Soil cuttings and debris generated from well destruction were disposed of offsite. Based on compliance with the RWQCB's closure requirements, and on behalf of ARC, SECOR requests formal closure of the site.

Sincerely,  
SECOR International Incorporated

  
David Stolcenberg  
Staff Engineer

  
Brian Carey, PG  
Associate Geologist

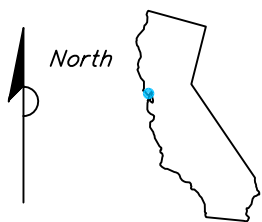
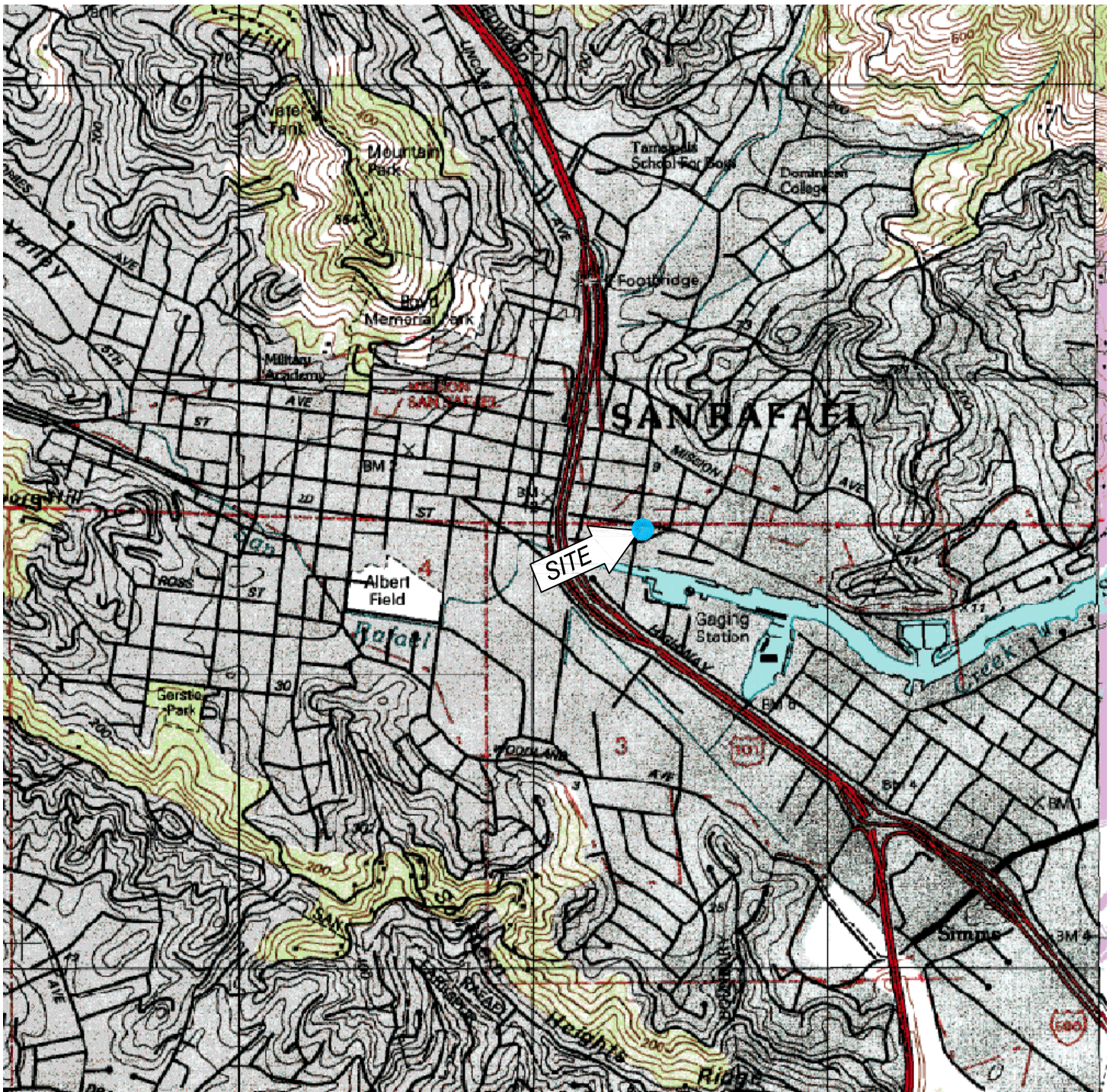


Attachments: Figures  
Tables  
Attachment A – Regulatory Letters and Site Closure Summary  
Attachment B – Applicable Permits  
Attachment C – Field Notes and Well Completion Reports  
Attachment D – Well Completion Reports

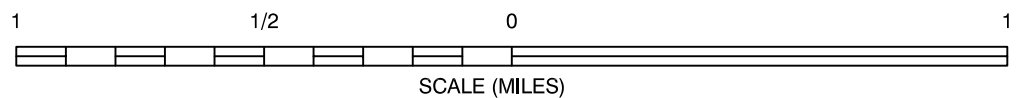
cc: Mr. Bradley Mark - San Rafael Fire Dept.  
Mr. Charles Carmel, Atlantic Richfield Company (RM) (Upload to ENFOS)  
Mr. Ali Salkhi, Property Owner

## FIGURES



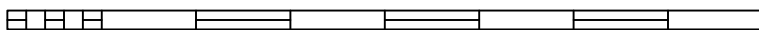


CALIFORNIA



SCALE (MILES)

1000 0 1000 2000 3000 4000 5000 6000 7000



SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE, SAN RAFAEL, CALIFORNIA



**SECOR**

3017 KILGORE ROAD, SUITE 100  
RANCHO CORDOVA, CALIFORNIA  
PHONE: (916) 861-0400/861-0430 (FAX)

FOR:

FORMER ARCO FACILITY NO. 2135  
440 THIRD STREET  
SAN RAFAEL, CALIFORNIA

JOB NUMBER:  
77BP.02135.06

DRAWN BY:  
DWR

CHECKED BY:  
DS

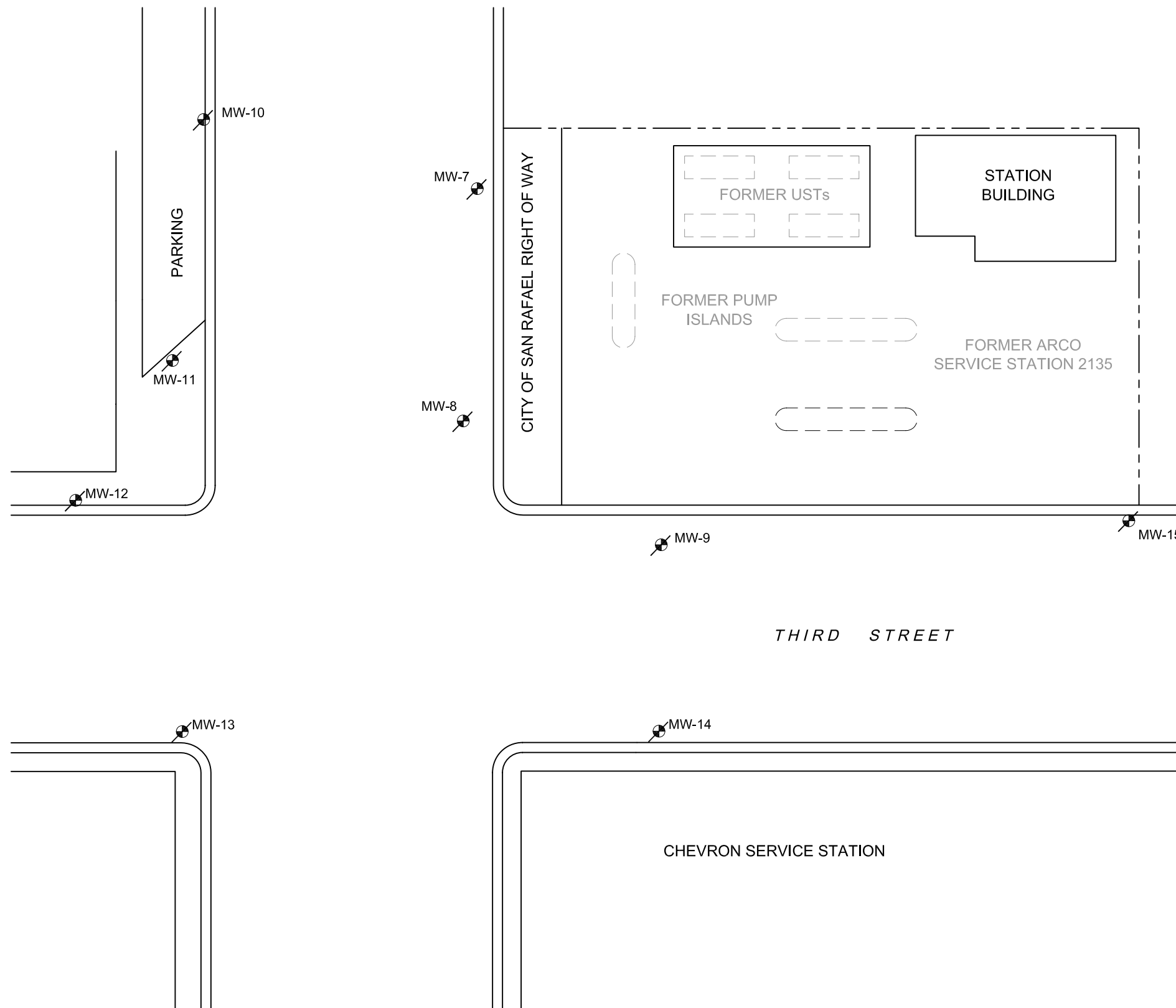
APPROVED BY:  
BC

FIGURE:

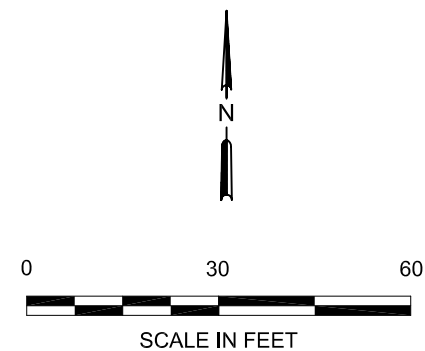
**1**

DATE:  
5/15/06






**LEGEND:**  
MW-15 DESTROYED GROUNDWATER MONITORING WELL LOCATION



REFERENCE: THIS FIGURE IS BASED ON A MAP PROVIDED BY URS CORPORATION

 <b>SECOR</b> 3017 KILGORE ROAD, SUITE 100 RANCHO CORDOVA, CALIFORNIA PHONE: (916) 861-0400/861-0430 (FAX)		FOR: FORMER ARCO FACILITY NO. 2135 440 THIRD STREET SAN RAFAEL, CALIFORNIA		<b>SITE PLAN</b>		FIGURE: <b>2</b>
		JOB NUMBER: 77BP.02135.06	DRAWN BY: DWR	CHECKED BY: DS	APPROVED BY: BC	DATE: 5/15/06

**TABLE**

**Table 1**  
**Soil Boring and Well Construction Details**

Former ARCO Service Station No. 2135  
 440 3rd Street  
 San Rafael, California

Well I.D.	Drill Date	Well		Screen		Screen Length (feet)	Comments
		Depth (feet bgs)	Diameter (inches)	Top (feet bgs)	Bottom (feet bgs)		
MW-7	-	19	-	-	-	-	Destroyed 03/17/06
MW-8	-	19	-	-	-	-	Destroyed 03/17/06
MW-9	-	16	-	-	-	-	Destroyed 03/16/06
MW-10	-	15	-	-	-	-	Destroyed 03/16/06
MW-11	-	15	-	-	-	-	Destroyed 03/16/06
MW-12	-	15	-	-	-	-	Destroyed 03/16/06
MW-13	-	15	-	-	-	-	Destroyed 03/17/06
MW-14	-	15	-	-	-	-	Destroyed 03/16/06
MW-15	-	15	-	-	-	-	Destroyed 03/16/06

**Explanation**

All wells are of PVC construction  
 bgs = Below ground surface

**ATTACHMENT A**  
**REGULATORY LETTERS AND SITE CLOSURE SUMMARY**

Well Destruction Report  
Former ARCO Service Station No. 2135  
440 3rd Street  
San Rafael, CA  
SECOR Project No.: 77BP.02135.06.0636





Alan C. Lloyd, Ph.D.  
Agency Secretary

# California Regional Water Quality Control Board

## San Francisco Bay Region

1515 Clay Street, Suite 1400, Oakland, California 94612  
(510) 622-2300 • Fax (510) 622-2460  
<http://www.waterboards.ca.gov/sanfranciscobay>

#2135



Arnold Schwarzenegger  
Governor

JAN 9 2006

Atlantic Richfield Co. (ARCO)  
Attn: Mr. Kyle Christie  
6 Centerpointe Dr., Room 161  
La Palma, CA 90623-1066

Date: JAN 05 2006  
UST File Nos.: 21-0011 (JMJ)  
2158.12


SUBJECT: Transmittal of Case Closure Letter and Site Summary Form for Former ARCO  
Station #2135, 440 Third Street, San Rafael, Marin County, UST Case No. 21-0011

Dear Mr. Kyle Christie:

Attached please find the uniform underground storage tank closure letter and the September 2, 2005, Case Closure Referral package from the San Rafael Fire Department (as modified by Water Board staff in December 2005/January 2006) for the subject site. Please note that if land use at the subject site changes from being an operating gasoline service station, closure needs to be re-evaluated. Please also note that future subsurface activities should be prepare for possibly encountering residual soil and/or groundwater pollution and that any encountered pollution must be managed in a proper manner.

Please direct all questions and correspondence regarding this matter to John Jang of my staff at (510) 622-2366 (email address [jjang@waterboards.ca.gov](mailto:jjang@waterboards.ca.gov)).

Sincerely,

  
Bruce H. Wolfe  
Executive Officer

Enclosures: Closure Letter  
September 2, 2005, Case Closure Referral package from the San Rafael Fire  
Department

cc w/ enc.:

Shari Knieriem, SWRCB, UST Cleanup Fund Unit (email [sknieriem@waterboards.ca.gov](mailto:sknieriem@waterboards.ca.gov))

Sunil Ramdass, SWRCB, UST Cleanup Fund Unit (email [sramdass@waterboards.ca.gov](mailto:sramdass@waterboards.ca.gov))

Allan Patton, SWRCB, UST Cleanup Fund Section (email [apatton@waterboards.ca.gov](mailto:apatton@waterboards.ca.gov))

Mr. Brad Mark (email [brad.mark@ci.san-rafael.ca.us](mailto:brad.mark@ci.san-rafael.ca.us))

San Rafael Fire Dept.

1039 "C" Street

San Rafael, CA 94901

Mr. Greg Mobley (email [tunderwood@co.marin.ca.us](mailto:tunderwood@co.marin.ca.us))

Marin County Office of Waste Management

P. O. Box 4186

San Rafael, CA 94913-4186

Armando Alegria (email [aalegria@co.marin.ca.us](mailto:aalegria@co.marin.ca.us))

Marin County Health Dept.

3501 Civic Center Drive, Room 236

San Rafael, CA 94903



# California Regional Water Quality Control Board

## San Francisco Bay Region



Alan C. Lloyd, Ph.D.  
Agency Secretary

1515 Clay Street, Suite 1400, Oakland, California 94612  
(510) 622-2300 • Fax (510) 622-2460  
<http://www.waterboards.ca.gov/sanfranciscobay>

Arnold Schwarzenegger  
Governor

Atlantic Richfield Co. (ARCO)  
Attn: Mr. Kyle Christie  
6 Centerpointe Dr., Room 161  
La Palma, CA 90623-1066

Date: JAN 05 2006  
UST File Nos.: 21-0011 (JMJ)  
2158.12

SUBJECT: Underground Storage Tank (UST) Case Closure for Former ARCO Station #2135,  
440 Third Street, San Rafael, Marin County, UST Case No. 21-0011

Dear Mr. Christie:

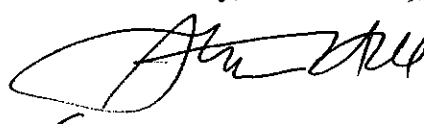
This letter confirms the completion of a site investigation and corrective action for the underground storage tank(s) formerly located at the above-described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground storage tank(s) are greatly appreciated.

Based on the information in the above-referenced file and with the provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25296.10 of the Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.3 of the Health and Safety Code and that no further action related to the petroleum release(s) at the site is required.

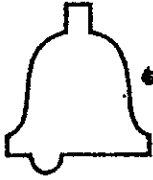
This notice is issued pursuant to subdivision (g) of Section 25296.10 of the Health and Safety Code.

Please contact our office if you have any questions regarding this matter.

Sincerely,

  
for Bruce H. Wolfe  
Executive Officer

CITY OF



*San Rafael*

Mayor  
Albert J. Baro

Council Members  
Paul M. Cohen  
Barbara Heller  
Dyr N. Miller  
Gary Q. Phillips

Fire Chief  
John Montenero

SEP 21 2005

September 2, 2005

Mr. John Jang, UST Program Manager  
California Water Quality Control Board  
San Francisco Bay Region  
1515 Clay Street, Suite 1400  
Oakland, California 94612

RE: Case Closure Referral  
Site Clean-up Certification Recommendation  
Former ARCO Service Station No. 2135  
440 Third Street  
San Rafael, California

Dear Mr. Jang:

The following outline presents information required by the San Francisco Bay Region, California Water Quality Control Board for case closure, and in general follows the format recommended in the Tri-Regional Board Staff Recommendations for Preliminary Investigations and Evaluation of Underground Tank Sites, August 10, 1990.

### **Background**

The site is located at 440 Third Street at Grand Avenue in the City of San Rafael, California. The site is located in an area of commercial and light industrial development, in the central portion of San Rafael, and was formerly operated as ARCO Service Station No. 2135. In 1996, five underground storage tanks (USTs), four for gasoline and one for waste oil, an oil-water separator and two hydraulic lifts were removed from the site.

### **Site Release History**

During repair of a buried product line in April 1988, a small quantity of separate phase hydrocarbons (SPH) was observed on shallow groundwater and in backfill material adjacent to the USTs. An unspecified quantity of SPH was removed and the product line repaired. 1

**Fire Department Offices 1039 C Street, San Rafael, CA 94901**

Administration Tel: (415) 485-3304 - Fax: (415) 453-1627

Fire Prevention Tel: (415) 485-3308 - Fax: (415) 485-3177

In October 1988, an Unauthorized Release Form (URF) was filed to report the release of an unknown quantity of leaded gasoline at the site. 2

In January 1993, upon discovery of SPH in a utility vault adjacent to the site, another URF was filed. According to the 1993 URF, emergency cleanup efforts employed at the time of discovery removed approximately 2500 gallons of product. 3

### **Initial Soil and Groundwater Investigations**

Following the 1988 release, several phases of soil and groundwater investigation were performed. Between 1989 and 1991, 6 onsite and 3 offsite wells (Figure 1), one piezometer, and several soil borings were advanced to assess the extent of hydrocarbons at the site (Figure 2). Gasoline Range Organics (GRO) and benzene, toluene, ethylbenzene and xylenes (BTEX) were detected in the soil samples at concentrations up to 680 mg/kg and 32 mg/kg, respectively. SPH (free product) up to 1.28 feet thick was identified in the onsite monitoring wells, with significant GRO and BTEX detected in the offsite wells. 4

### **Initial Groundwater Monitoring**

Initial groundwater monitoring data indicated free product up to 2.02 feet in thickness in onsite wells MW-1, MW-3, MW-4 and MW-6. Prior to its destruction following the March 1992 sample event, GRO and benzene in MW-2 were detected up to 5600 ug/L and 1600 ug/L, respectively. MW-5 had non-detectable (ND) to trace concentrations only. In nearby offsite wells MW-7 through MW-9, GRO and benzene were detected up to 26,000 ug/L and 7800 ug/L, respectively. 5

### **Interim Remediation**

Based on these results, a groundwater extraction trench and treatment system was installed at the site in 1992. Following the January 1993 release and emergency cleanup, permitting for the system was completed and groundwater extraction and treatment was initiated. The system operated from February 1993 and until mid-1996. In addition to providing migration control of the plume, the system removed an estimated 681,200 gallons of impacted groundwater, which was treated onsite and discharged to the municipal sanitary sewer system under permit with the Central Marin Sanitation Agency. 5

### **Additional Soil and Groundwater Investigations**

Subsequent soil and groundwater investigations were performed both on and off site in 1993 and 1995. In 1993, 25 soil borings and 6 offsite monitoring wells, MW-10 through MW-15, were advanced by Pacific Environmental Group (PEG) to further define the extent of impact on and near the site. The soil borings were located along underground



utility lines in the roadways for Third Street and Grand Avenue adjacent to the site (Figure 2) to evaluate whether the utilities were acting as preferential pathways for the migration of hydrocarbons at the site. Based on their results (Figure 3), PEG concluded the utilities were "not dramatically influencing the migration of SPH. SPH in groundwater is limited to the site and northwest of the site in Grand Avenue." Except for trace concentrations of benzene and toluene in groundwater from MW-13, hydrocarbons were not detected in soil or groundwater samples from the new wells. 6

In 1995, PEG performed additional investigation to complete delineation of the vertical and lateral extent of hydrocarbons in onsite soils. Soil samples were collected and analyzed from 33 onsite soil borings at depths of 3, 6, 9 and 12 ft bgs (Figure 4). Based on the results of their investigation (Figure 5), PEG concluded the extent of hydrocarbons had been defined to non-detectable levels for GRO and benzene. 7

Soils encountered at the site generally consist of surficial clays and silts to approximately 7 feet below ground surface (bgs), underlain by clayey sand and sand to approximately 17 to 19 ft bgs, followed by claystone and siltstone bedrock of the Franciscan Formation to the maximum depth explored (approximately 25.5 feet bgs). 7

### **Corrective Action**

In March 1996, PEG prepared a Corrective Action Plan (CAP) for the site recommending soil over-excavation and de-watering, followed by installation of a biosparge system (Figures 6, 7 and 8). The CAP identified soil cleanup objectives of 100 ppm for TPHg and 5 ppm for benzene. Based on the results of the soil samples from the 1995 investigation, the CAP recommended removal of impacted soils from the site in two phases: first, from the western 2/3 of the site to 6 ft bgs, followed by the western half of the site to 12 ft bgs. 7

The CAP was implemented in summer of 1996. The USTs, hydraulic lifts and oil-water separator were removed and transported to Erickson, Inc. in Richmond for disposal. Approximately 4,878 cubic yards of impacted soil were then over-excavated to depths of 6 to 12 feet bgs, and transported to TPS Technologies in Richmond for incineration. Approximately 15,250 gallons of impacted groundwater were also pumped from the excavations and treated in the onsite treatment system for discharge under permit to the sanitary sewer. The biosparge system was installed but does not appear to have ever been operated at the site. 8

Onsite wells MW-1 through MW-6 were destroyed during over-excavation. Following completion of over-excavation and backfill, one new well, MW-16, was installed to monitor post-remedial groundwater conditions on the site (Figure 8). 8

### **Post-Remediation Groundwater Monitoring**

Analyses of groundwater samples from the monitoring wells since 1996 (ie following both interim remedial groundwater extraction as well as corrective action over-excavation and de-watering) have shown no detection of SPH. Additionally, although the remaining hydrocarbon concentrations in the wells have fluctuated significantly, and have been somewhat erratic, generally appear to be declining over time.

The following is a brief summary of monitoring results in the on- and offsite wells since completion of corrective action activities for the site.

Onsite well – In MW-16, initial highs of GRO, benzene and MTBE from 1996 to 1998 ranged up to 5700 ug/L, 1000 ug/L and 2300 ug/L, respectively. From 1999 through July 2000, these constituents were generally lower, at concentrations up to 440 ug/L, 34 ug/L and 2200 ug/L, respectively. However, the last two quarterly events for which data is available have been erratic. GRO, benzene and MTBE in October 2000 were 1440 ug/L, 64.8 ug/L and 1890 ug/L, respectively, and in January 2001, concentrations were reported at <50 ug/L, <0.5 ug/L and 11.1 ug/L, respectively. Subsequent to that event, MW-16 was inadvertently destroyed during site redevelopment, therefore no further onsite data is available.

Offsite Wells - In the nearby down-gradient offsite wells, MW-7, MW-8 and MW-9, GRO, benzene and MTBE from 1996 through 2002 ranged up to ranged up to 19,000 ug/L, 3700 ug/L and 1600 ug/L, respectively. From 2003 through 2004, these constituents were generally lower, at concentrations up to 4800 ug/L, 1600 ug/L and 500 ug/L, respectively. These wells are located in city rights-of-way where over-excavation and de-watering were not practical. Residual concentrations of GRO, benzene and MTBE remain in these wells. In October 2004, the final round of sampling, concentrations of these constituents were detected up to 2700 ug/L, 550 ug/L and 390 ug/L, respectively.

In the distal offsite wells, MW-10 through MW-15, concentrations have generally been low to non-detect over the last four annual sampling events for those wells. During that period, concentrations of GRO, benzene and MTBE have ranged up to 270 ug/L, <0.50 ug/L and 88 ug/L, respectively. 9

### **ARCO Request for No Further Action**

In a January 23, 2003 No Further Action (NFA) request, ARCO requested NFA status based on several factors, including the following:

Groundwater at the site is not a current or potential source of drinking water; the TDS, electrical conductivity and other criteria for shallow site groundwater do not meet drinking water standards; a considerable quantity of hydrocarbon mass has been removed; the groundwater plume has been defined; and BTEX concentrations in groundwater from the existing wells are low and declining. 10

The SRFD then requested a sensitive receptor survey (SRS) be performed.

### **Sensitive Receptor Survey**

In 2004, URS performed an SRS to identify water wells within ½ mile of the site. The SRS identified 9 wells within ½ mile of the site (3 domestic wells, 5 irrigation wells, and one of unknown use), the nearest of which is 1500 feet upgradient from the site. The report states that none of the 9 wells are situated downgradient of the site. URS therefore concluded it unlikely that any of the nine wells could be impacted by the plume at the site. 11

### **Institutional Controls**

Per agreement between the City of San Rafael and BP West Coast Products (successor in interest to ARCO), institutional controls have been implemented to address the residual hydrocarbons remaining in soil and groundwater in nearby offsite areas underlying the adjacent City rights-of-way. In the agreement, signed October 13, 2003, BP agreed to maintain responsibility for handling and disposal of impacted soil and/or groundwater generated as a result of improvement projects in the adjacent city rights-of-way. 12

### **Conclusions and Recommendations**

Based upon information collected during the site investigation activities observed by the SRFD, it is the opinion of the Hazardous Materials Division that the site has been remediated to the extent practicable. Due to the residual hydrocarbons on and near the site, the SRFD recommends a deed notification of the agreement between the City of San Rafael and BP West Coast Products (successor in interest to ARCO), be placed on the title to the property.

Based on the facts and findings discussed in this report and substantiated by workplan proposals and summary reports, all work was performed in a manner consistent and in accordance with the Tri-Regional Guidelines and the LUFT Manual. The Division, therefore, recommends no further action and site closure.

Should you have any questions regarding the information contained in this report, please contact me at the Hazardous Materials Division at (415) 485-3308.

Sincerely,

BRADLEY R. MARK  
Deputy Fire Marshal, REA  
Hazardous Materials Program Manager

BRM:las

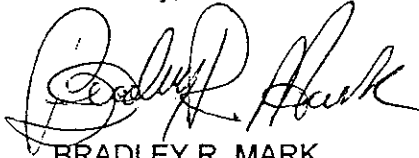
attachments: Case Closure Summary, Figures 1 through 8

cc: ARCO, Attn: Kyle Christie, 4 Centerpoint Dr, Suite 172 La Palma, CA  
90623-1066

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- 1 Pacific Environmental Group (PEG) Corrective Action Plan, Mar 1996, p.3
- 2 Unauthorized Release Form, Oct 1988
- 3 Unauthorized Release Form, Jan 14, 1993
- 4 Hart Crowser Report of Supplemental Subsurface Assessment, Aug 1991
- 5 PEG CAP, Mar 1996
- 6 PEG Soil and Groundwater Investigation Report, Aug 1993
- 7 PEG CAP, Mar 1996
- 8 PEG Soil Excavation Program Summary, Nov 1996
- 9 URS Fourth Quarter 2004 Groundwater Monitoring Report, Nov 2004
- 10 ARCO No Further Action Request, Jan 2003
- 11 URS Sensitive Receptor Survey Report, Sept 2004
- 12 Agreement between BP and City of San Rafael, Oct 2003

Sincerely,



BRADLEY R. MARK  
Deputy Fire Marshal, REA  
Hazardous Materials Program Manager

BRM:las

attachments: Case Closure Summary, Figures 1 through 8

Mr. John Jang  
Page 6  
09/19/2005

cc: ARCO, Attn: Kyle Christie, 4 Centerpoint Dr, Suite 172 La Palma, CA  
90623-1066

- 
- 1 Pacific Environmental Group (PEG) Corrective Action Plan, Mar 1996, p.3
  - 2 Unauthorized Release Form, Oct 1938
  - 3 Unauthorized Release Form, Jan 14, 1993
  - 4 Hart Crowser Report of Supplemental Subsurface Assessment, Aug 1991
  - 5 PEG CAP, Mar 1996
  - 6 PEG Soil and Groundwater Investigation Report, Aug 1993
  - 7 PEG CAP, Mar 1996
  - 8 PEG Soil Excavation Program Summary, Nov 1996
  - 9 URS Fourth Quarter 2004 Groundwater Monitoring Report, Nov 2004
  - 10 ARCO No Further Action Request, Jan 2003
  - 11 URS Sensitive Receptor Survey Report, Sept 2004
  - 12 Agreement between BP and City of San Rafael, Oct 2003



## CASE CLOSURE SUMMARY

### Leaking Underground Fuel Storage Tank Program

#### I. AGENCY INFORMATION

DATE : September 2005

Agency Name: San Rafael Fire Department	Address: 1039 C Street
City/St/Zip: San Rafael, CA 94901	Phone: (415) 485-3308
Responsible Staff Person: Bradley R. Mark	Title: Deputy Fire Marshal

#### II. CASE INFORMATION

Site facility name: Former Arco #2135
Site facility address: 440 Third Street, San Rafael
RB LUSTIS Case No: 21-011 Local Case No: LOP Case No:
URF filing date: Oct 1988 & Jan 14, 1993 SWEEPS No:
Responsible Parties: Addresses: Phone Numbers:
ARCO, Attn: Mr. Kyle Christie, 4 Centerpoint Dr, Suite 172 La Palma, CA 90623-1066

Tank No.	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1, 2, 3, 4	6000 gal. ea.	Gasoline	Removed	1996
5	550 gal.	Waste oil	Removed	1996
Other		Oil-Water Separator and 2 Hydraulic Lifts	Removed	1996

#### III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release(s): USTs/piping release(s)
Site characterization complete? <u>YES</u> NO Date approved by oversight agency:
Monitoring wells installed? <u>YES</u> NO Number: 16 Proper screened interval? YES NO
Highest GW depth below ground surface? 0.66' Lowest Depth? 7.83' Flow direction: West/Southwest
Most Sensitive Current Use: Commercial/Light Industrial
Are drinking water wells affected? YES <u>NO</u> Aquifer Name:
Is Surface water affected? YES <u>NO</u> Nearest/affected SW name:
Off-site beneficial use impacts (addresses/locations): None
Report(s) on file? <u>YES</u> NO Where is report filed? SRFD

#### Treatment and Disposal of Affected Material

Material	Amount (Include units)	Action (treatment of Disposal w/ Dest.)	Date
Tanks	5 USTs, 2 lifts & o/w separator	Removed	1996
Piping	Undetermined	Removed	1996
Free Product	Undetermined 2500 gal. 2784 gal. 34.9 gal. TPHg; 2.9 g. Benzene	Removed during product line repair (1988 URF) Removed from utility box (1993 URF) Removed from wells Mass recovered during GW extraction	1988 1993 through 1996 1993-1996
Soil	4787 tons	Excavated; Incinerated	1996
Groundwater	681,200 gal.	Extracted, treated, discharged to sanitary sewer	1993-1996
Barrels			

# **CASE CLOSURE SUMMARY** **Leaking Underground Fuel Storage Tank Program**

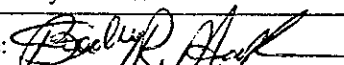
## **III. Release and Site Characterization Information (continued)**

Maximum Documented Contaminant Concentrations -- Before and After Cleanup									
Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)	8,200	3,300	320	2.7	Xylene	16,000	310	34	0.042
TPH (Diesel)	5,200	NA	NA	NA	Ethylbenzene	4,300	30	6.3	0.096
Benzene	5,200	7.1	22	0.550	Oil & Grease	12,000	55	NA	NA
Toluene	5,300	77	38	0.0074	Metals (Pb)	420	NA	NA	NA
PCBs	0.049	NA			MTBE/PCE	NA/0.310	NA	48	0.390
Comments (Depth of Remediation, etc.):									
"Before" data for soil based on samples collected beneath the USTs at the time of their removal in 1996. Subsequent corrective action over-excavation extended to depths of 6 to 12 ft bgs. "After" data for soil based on sample TP-B at 13'.									
"After" data for water based on URS 4 <sup>th</sup> Qtr 2004 Monitoring Report, 11/24/04.									

## **IV. CLOSURE**

Does completed corrective action protect existing beneficial uses per Regional Board Basin Plan?	<b>YES</b>	<b>NO</b>
Does completed corrective action protect potential beneficial uses per Regional Board Basin Plan?	<b>YES</b>	<b>NO</b>
Does corrective action protect health for current land use?	<b>YES</b>	<b>NO</b>
Site management requirements: Deed Notification/Restriction & City of San Rafael/BP Agreement*		
Should corrective action be reviewed if land use changes?	<b>YES</b>	<b>NO</b>
Monitoring wells decommissioned:	<b>YES</b>	<b>NO</b>
Number Decommissioned:		Number Retained:
List enforcement actions taken:		
List enforcement actions rescinded:		

## **V. LOCAL AGENCY REPRESENTATIVE DATE**

Name: Bradley R. Mark	Title: Deputy Fire Marshal
Signature: 	Date: 9-14-05

## **VI. RWQCB NOTIFICATION**

Date submitted to RB: 9/21/05	RB Response: Concurs with closure recommendation
RWQCB Staff Name: John Jang	Title: UST Program Manager
	Date: 1/2/06

## **VII. ADDITIONAL COMMENTS DATA, ETC.**

*Agreement between the City of San Rafael and BP West Coast Products (successor in interest to ARCO) stating that BP is responsible for contaminated soil and/or groundwater encountered in the Contamination Migration Area, costs for treatment and/or disposal of such materials excavated as a result of public works projects on City property adjacent to the site (ie Third Street and Grand Avenue), and related emergency response costs incurred by the City as a result of the release from ARCO #2135.
**Additional comments below.

**TECHNICAL REPORTS, CORRESPONDENCE, ETC. THAT THIS CLOSURE RECOMMENDATION WAS BASED UPON:**

Title: SRFD Letter to SFBRWQCB re: Intent to Issue NFA	Date: 3/28/05
URS 4 <sup>th</sup> Qtr 2004 Monitoring Report	11/24/04
URS SRS Report	9/30/04
SRFD Letter to SFBRWQCB re: Request for Closure	10/23/03
ARCO Response Letter to SRFD Letter of 4/16/03	5/12/03
ARCO Request for NFA	1/12/03
Pacific Env. Group (PEG) Soil Excavation Program Summary Documentation	11/26/96
PEG CAP	3/29/96

ARCO Report dated 12/5/05 (response to RWQCB request for supporting information)

12/5/05

**ADDITIONAL COMMENTS, DATA, ETC.**

Please include/attach the following as appropriate:

- 1) Site Map indicating tank pit location, monitoring well location, groundwater gradient, etc. and
- 2) Site comments worthy of notice (e.g. area of residual pollution left in place, deed notices, etc.)

\*\*

Figures 1 through 8, selected from the PEG March 1996 CAP, are attached to the 2005 SRFD Case Closure Referral report.

Analytical results of soil and groundwater samples, data documenting SPH removal, groundwater extraction system performance, etc. collected prior to the 1996 corrective action activities are summarized in Tables 1 through 10 of the CAP.

Groundwater gradient data and analytical results of groundwater samples from the monitoring wells post-dating corrective action are summarized in Tables 1 through 3 of the URS Fourth Quarter Monitoring Report, dated November 2004.

As a condition of closure, the SRFD recommends a deed notification/restriction be attached to the title of the property.

Site is ~~an existing~~ a current operating gas station. If land use changes from being an operating gasoline service station, closure needs to be reevaluated.

(JMF 1/2/06)

# LEGEND

- MW-1 GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- E-1 GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
- MW-2 DESTROYED WELL LOCATION AND DESIGNATION
- P-1 PIEZOMETER LOCATION AND DESIGNATION
- B-12 EXPLORATORY SOIL BORING LOCATION AND DESIGNATION
- 9.3/0.36 - 9' TPH-g/BENZENE CONCENTRATION IN SOIL, IN PARTS PER MILLION, AT DEPTH INDICATED IN FEET
- ND NOT DETECTED

THIRD STREET

GRAND AVENUE

FORMER PRODUCT ISLAND

UNDERGROUND FUEL STORAGE TANK COMPLEX

STATION BUILDING

PRODUCT ISLANDS

CHEVRON STATION

ARCO SERVICE STATION 2135  
440 Third Street at Grand Avenue  
San Rafael, California

FIGURE:

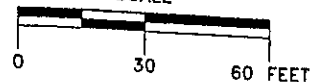
3

PROJECT:

330-082.3B

ON-SITE AND OFF-SITE UTILITY INVESTIGATION

SCALE



PACIFIC  
ENVIRONMENTAL  
GROUP, INC.

# LEGEND

- MW-1 ⊙ GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- E-1 ⊙ GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
- MW-2 ∅ DESTROYED WELL LOCATION AND DESIGNATION
- P-1 Δ PIEZOMETER LOCATION AND DESIGNATION
- B-12 ● EXPLORATORY SOIL BORING LOCATION AND DESIGNATION
- 9.3/0.35 - 9' TPH-g/BENZENE CONCENTRATION IN SOIL, IN PARTS PER MILLION, AT DEPTH INDICATED IN FEET
- ND NOT DETECTED

THIRD STREET

GRAND AVENUE

FORMER PRODUCT ISLAND

UNDERGROUND FUEL STORAGE TANK COMPLEX

STATION BUILDING

PRODUCT ISLANDS

CHEVRON STATION

ARCO SERVICE STATION 2135  
440 Third Street at Grand Avenue  
San Rafael, California

ON-SITE AND OFF-SITE UTILITY INVESTIGATION

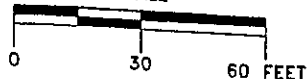
FIGURE:

3

PROJECT:

330-082.3B

SCALE



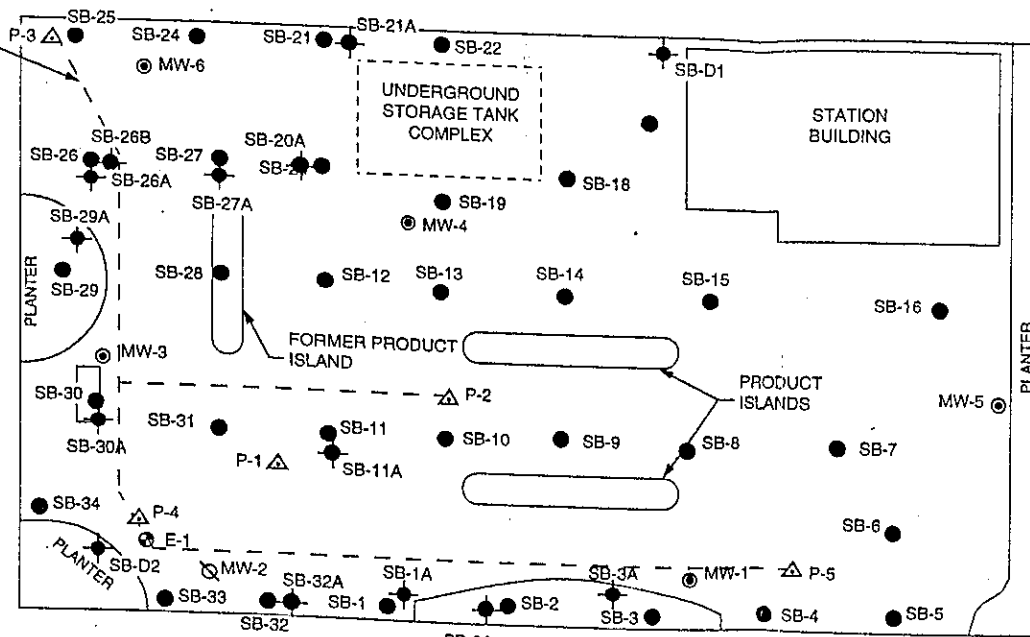
PACIFIC  
ENVIRONMENTAL  
GROUP, INC.





GROUNDWATER  
EXTRACTION  
TRENCH

GRAND AVENUE



MW-9

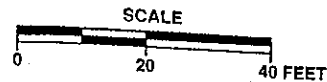
THIRD STREET

#### LEGEND

- MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- E-1 ● GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
- MW-2 ∅ DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- P-1 ▲ PIEZOMETER LOCATION AND DESIGNATION
- SB-1 ● SOIL BORING LOCATION AND DESIGNATION, 8-18 to 8-20-95
- SB-2A ● SOIL BORING LOCATION AND DESIGNATION, 6-23-95 and 8-1-95)



PACIFIC  
ENVIRONMENTAL  
GROUP, INC.

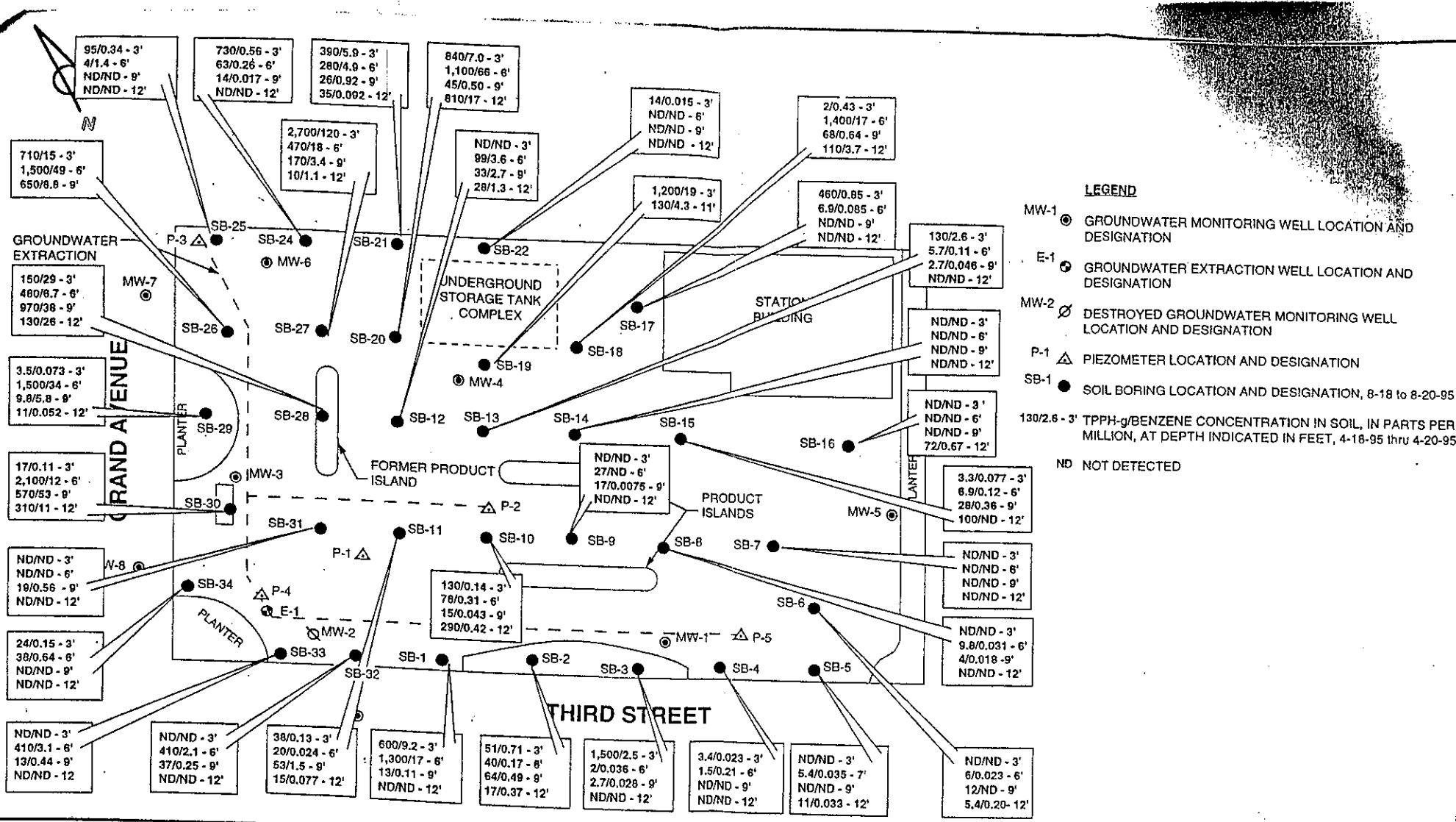


ARCO SERVICE STATION 2135  
440 Third Street at Grand Avenue  
San Rafael, California

ON-SITE SOIL BORING LOCATION MAP

FIGURE:  
4

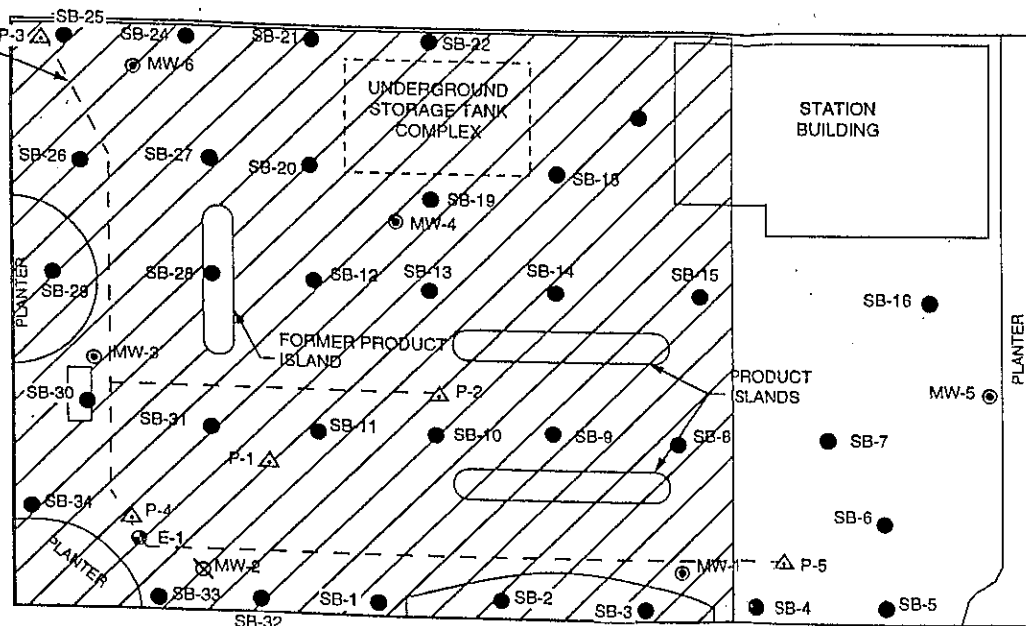
PROJECT:  
330-082.3B






GROUNDWATER  
EXTRACTION  
TRENCH

GRAND AVENUE



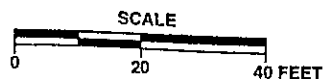
THIRD STREET

#### LEGEND

- MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- E-1 ● GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
- MW-2 ∅ DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- P-1 ▲ PIEZOMETER LOCATION AND DESIGNATION
- SB-1 ● SOIL BORING LOCATION AND DESIGNATION, 8-18 to 8-20-95
-  EXTENT OF SOIL EXCAVATION FROM 0-6' BELOW GROUND SURFACE



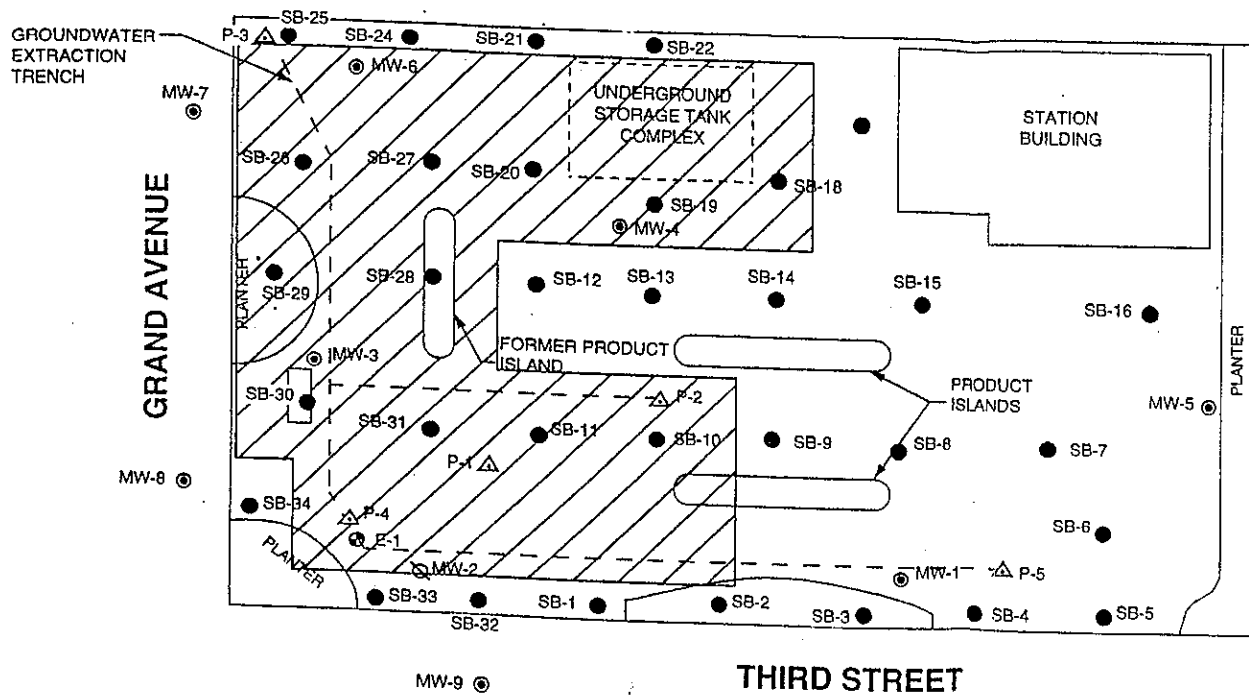
PACIFIC  
ENVIRONMENTAL  
GROUP, INC.




ARCO SERVICE STATION 2135  
440 Third Street at Grand Avenue  
San Rafael, California

PROPOSED PHASE I SOIL EXCAVATION MAP

FIGURE:  
86  
PROJECT:  
330-082.3B

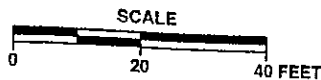


**LEGEND**

- MW-1 ● GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- E-1 ● GROUNDWATER EXTRACTION WELL LOCATION AND DESIGNATION
- MW-2 ∅ DESTROYED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION
- P-1 △ PIEZOMETER LOCATION AND DESIGNATION
- SB-1 ● SOIL BORING LOCATION AND DESIGNATION, 8-18 to 8-20-95
-  EXTENT OF SOIL EXCAVATION FROM 6-12 FEET BELOW GROUND SURFACE



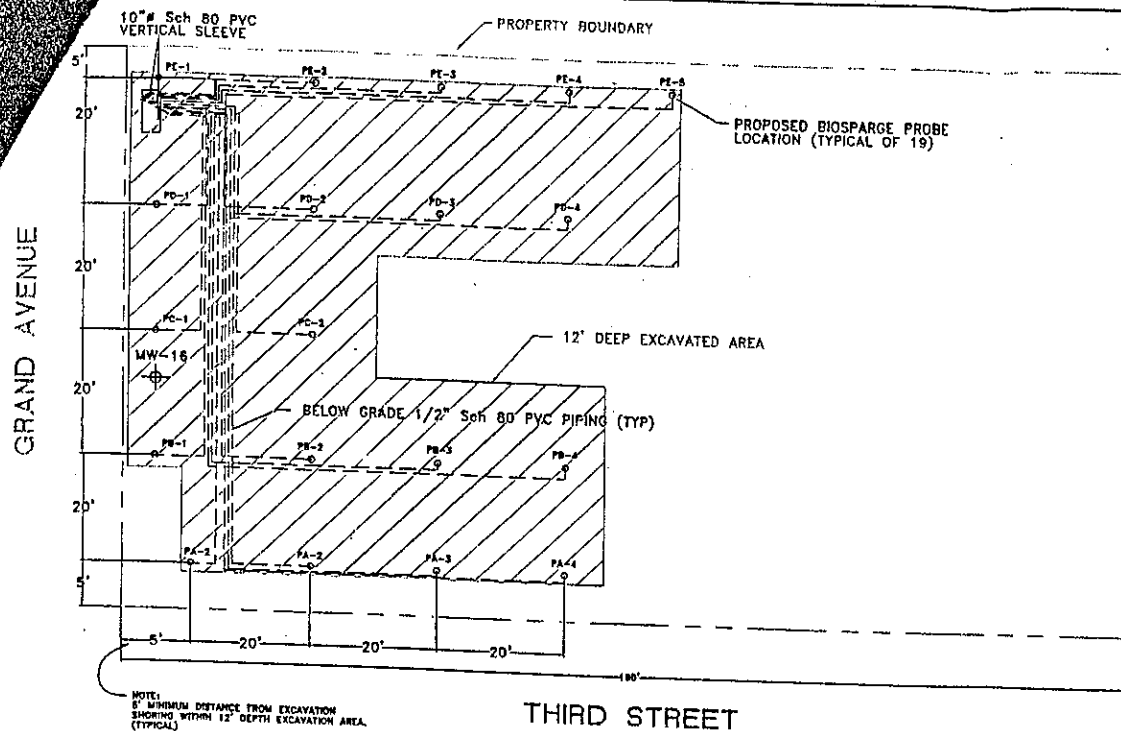
PACIFIC  
ENVIRONMENTAL  
GROUP, INC.



ARCO SERVICE STATION 2135  
440 Third Street at Grand Avenue  
San Rafael, California

PROPOSED PHASE II SOIL EXCAVATION MAP

FIGURE:  
87  
PROJECT:  
330-082.3B



**PLAN VIEW**  
SCALE 1" = 20'

**LEGEND**  
MW-16  
⊕ PROPOSED GROUNDWATER MONITORING WELL LOCATION AND DESIGNATION

Reference: 33008201\Svdapn.dwg



PACIFIC  
ENVIRONMENTAL  
GROUP, INC.

TITLE:

PROPOSED LOCATION OF WELL MW-16

PREPARED FOR:

ARCO SERVICE STATION 2135  
440 Third Street at Grand Avenue  
San Rafael, California

DATE: 2-22-96

PROJECT: 330-082.3B

FIGURE: 8



**ATTACHMENT B**  
**APPLICABLE PERMITS**

Well Destruction Report  
Former ARCO Service Station No. 2135  
440 3rd Street  
San Rafael, CA  
SECOR Project No.: 77BP.02135.06.0636

COUNTY OF MARIN  
ENVIRONMENTAL HEALTH SERVICES

Community Development Agency

RECEIVED

MAR 06 2006

3501 Civic Center Drive, Rm 236  
San Rafael, CA 94903  
(415) 499-6907 FAX (415) 507-4120  
www.co.marin.ca.us/ehs

WELL DESTRUCTION PERMIT

KAREN BEYER

Date of Issuance: March 1, 2006  
Date of Expiration: March 1, 2007

To: Atlantic Richfield Company  
c/o Charles Carmel  
PO Box 977  
Alamo, CA 94507

Permit No: WD 05/06 - 6 (9)

Street Address: 440 3<sup>rd</sup> Street

City: San Rafael

Assessor's Parcel Number: 014-093-09

Driller: Gregg Drilling and Testing, 950 Howe Road, Martinez, CA 94553

This well shall be destroyed according to the requirements of the State of California Well Standards Bulletin 74-81, Chapter II, Part III, Section 23. Additionally, for monitoring wells and exploratory borings see Bulletin 74-90, Part III, Pages 50-54. The objective of well destruction is to restore as nearly as possible those subsurface conditions that existed before the well was constructed.

CONDITIONS:

1. Minimally, the upper 20 feet of the well shall be filled with an impervious sealing material such as neat cement.
2. Pressure grouting is approved. The consultant, Andrew Fowler, explained that cement grout will be placed in the well with a tremie to displace any water, a pressure fitting will be installed and the grout will be pumped at a pressure of at least 25 psi.

The well driller shall notify this office at least **two working days** in advance of destroying the well. The impervious seal shall not be placed until approval from Environmental Health Services is granted. The well driller shall submit a Department of Water Resources Form 188 (Water Well Drillers Report) within 30 days of project completion.

Issued by,

  
Scott Callow, Senior R.E.H.S.

C: URS Corporation, 1333 Broadway, Suite 800, Oakland, CA 94612

OFFICE USE ONLY

1. Method discussed 3/1 (SC)

2. \_\_\_\_\_

3. \_\_\_\_\_

**SAN RAFAEL PUBLIC WORKS**PUBLIC WORKS DEPARTMENT • (415) 485-3355  
111 MORPHEW ST. • P.O. BOX 151560 • SAN RAFAEL, CA. 94915**ENCROACHMENT PERMIT****APPLICANT INFORMATION**PROJECT/LOCATION: Intersection of Grand Ave and Third St.PARCEL NUMBER: \_\_\_\_\_ DATE SUBMITTED: 3/3/06**OWNER INFORMATION**NAME: Atlantic Richfield CompanyADDRESS: 90 Charles Carmel P.O. Box 977CITY/ST: Alamo, CA 94507PHONE: 925 946 1085

AM

PM

**CONTRACTOR INFORMATION**NAME: URS CorporationADDRESS: 1333 Broadway, Suite 800CITY/ST: Oakland, CA 94612PHONE: 510 893 3600 CITY LIC. # OK PER

STATE LIC. # \_\_\_\_\_ (A or C-12 Only)

REQUESTED STARTING DATE: 3/16/06ANTICIPATED COMPLETION DATE: 3/20/06**TYPE OF PERMIT REQUESTED**

FRONTAGE IMPROVEMENTS

OTHER  
STREET CUT FOR UNDERGROUND CONSTRUCTION**DIMENSIONS AND DESCRIPTION OF WORK**7 L.F. CURB & GUTTER

EA. DRIVEWAY

2 S.F. SIDEWALK

L.F. TRENCH

Work involves the destruction of  
9 (nine) monitoring wells. This involve  
applying pressured cement to  
each well. Traffic control will  
be used at each location  
for approximately 30 minutes,  
on Thursday 3/16 & Friday 3/17.

Hot asphalt will be used on Monday 3/20.  
The schedule may change.



PLAN ATTACHED

**DECLARATION / APPLICANT'S SIGNATURE**

I hereby acknowledge that I have read this application and state that the above is correct and agree to comply with all City Ordinances and State Laws. I further agree to save, indemnify, and keep harmless the City of San Rafael, its officers, and duly appointed representatives against all liabilities and judgments from this permit. If said improvements ever require removal and / or relocation, I further agree to perform such work at my expense within a reasonable time upon being notified by the Department of Public Works to so.

(Owner / Contractor)

Andrew Cantu for URS Corporation**OFFICE USE ONLY****REQUIRED**

YES

NO

RECD

ENGINEERED PLAN



INSURANCE



BONDING



CITY COUNCIL APPROVAL



OTHER \_\_\_\_\_



NOTE: All standard conditions, special conditions, plans and reports as referenced or attached hereto become and are a part of this permit.

EXPIRATION DATE: \_\_\_\_\_ 19 \_\_\_\_\_

EXTENSION DATE: \_\_\_\_\_ 19 \_\_\_\_\_

AUTHORIZED BY: \_\_\_\_\_

WORK COMPLETED:

By: \_\_\_\_\_ Date: \_\_\_\_\_

**FEES:**

STREET CUT \$37.50 L.S. - \$ \_\_\_\_\_

OTHER \$37.50 L.S. - 332.22

FRONT. IMPVT'S. 4.50 L.S. - \_\_\_\_\_

\_\_\_\_\_ LF-C&amp;G @ 0.15/LF - \_\_\_\_\_

\_\_\_\_\_ SF - SW @ 0.05/SF = \_\_\_\_\_

\_\_\_\_\_ EA - DW @ 20/EA = \_\_\_\_\_

(001-2207) TOTAL \$ 332.22**PERMIT APPROVED FOR ISSUANCE:**By: A. J. Date: 3/7/06Page 1 of 2 PERMIT NO: 1874

**ATTACHMENT C**  
**FIELD NOTES**

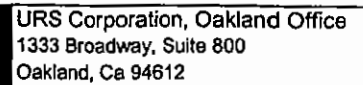
Well Destruction Report  
Former ARCO Service Station No. 2135  
440 3rd Street  
San Rafael, CA  
SECOR Project No.: 77BP.02135.06.0636

Arrival Date/ Time: 3/16/06 Project Number: \_\_\_\_\_  
 Location: 4601 Third Street, Oakland Subcontractors: Gregg/Cruz/rented Rebar  
 Employees: Barbara J. Smith, John Smith  
 Weather Conditions: Clear  
 PPE Required: Standard  
 Purpose of Visit: 2135 well destruction

Page 1

Time	Actions Taken/ Observations/ Notes
5am	arrive site. Speak to chevron station manager. Unikid Rentals on site, Cruz on site (Mike) F&S meeting.
5:50	Cruz left site location o.k. - Electric near MW-10 Gregg will be here ~ 6am per call from Mae
6:25	Gregg on site - H&S meeting Del Seco on site
6:40	Begin grout MW-12 (photo) Begin sawcut 3'x3' square MW-10
6:50	(Photo) of grout mixing
7:10	Finish grout MW-12 25 PSI for 5 mins (photo)
7:20	Begin grout MW-9, sawcut N.W.-15 (photo)
7:40	Finish MW-21 25 PSI for 5 minutes (photo)
7:45	Begin grout MW-10 (photo)
8:00	Finish MW-10 25 PSI for 5 minutes (photo). Del Seco leaves site
8:20	Begin grout MW-15 (photo)
8:35	Finish grout MW-15, 25 PSI for 5 minutes (photo)
8:40	Tackhammer MW-15 & cold patch Bob Scarborough (city inspector) on site. Notification for Tues. 3/21 morning hot asphalt given
8:45	Bob Scarborough leaves.
9:10	Finish cold patch MW-15
9:20	Setup MW-9
9:34	Finish grout MW-9 (photo), 25 PSI for 5 min. (photo)
9:50	Notify Valero station attendant 1 entrance blocked for ~30 minutes today, tomorrow & Tuesday. - Setup on MW-14
10:15	Finish grout MW-14 (photo), 25 PSI for 5 mins (photo) Tackhammer well box MW-14
10:55	Finish cold patch MW-14
11:10	Begin MW-13 - can't pressure grout due to casing level with cement. Attempt to Tackhammer cement in order to attach pressure fitting

Departure Time: \_\_\_\_\_



3/16/06  
2135  
Page 2

Departure Time: \_\_\_\_\_

Arrival Date/ Time: 3/17/06 Project Number: \_\_\_\_\_  
 Location: 440 Third Street, San Rafael Subcontractors: United Rental / Wagg Drilling  
 Employees: Barbara Jakub, Andrew Jarvis  
 Weather Conditions: Rainy  
 PPE Required: Standard  
 Purpose of Visit: Well distractions #2135

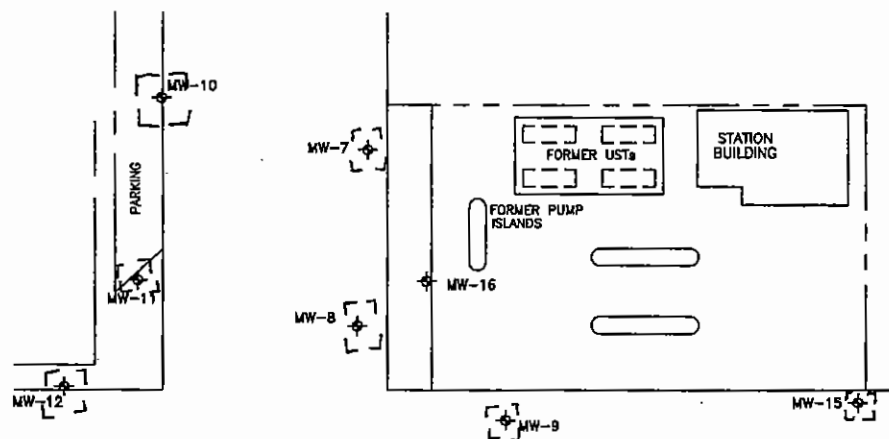
Time	Actions Taken/ Observations/ Notes
5am	arrive site
	Wagg onsite, United Rentals onsite
5:10am	Health and Safety meeting
	setup on MW-10 to remove well box
	United Rentals use spot lights to illuminate work zone.
6:10am	finish cold patch MW-10, mob to MW-8
6:30am	Went MW-8 (photo) (4") 25 PSI for 3mins. (photo) Cold patch & remove MW-8 well box
7:15	begin grout MW-7 (photo) (4") <del>25 PSI for 5 mins. (photo)</del>
	30' getting grout forced down well & pressurized, however pressure gauge broke & no reading taken except for 15 PSI for 1 minute (no photo)
7:40	City traffic signal guy came & confirmed there were no traffic signal utilities in our well locations. better late than never
	- Begin remove MW-7 well box & cold patch added.
8:30	mob to MW-9 to remove well box
	- called United Rentals to confirm Tuesday date for traffic control
8:30-9:00	wait for fuel drop
9:00	mob to MW-9 to remove well box & cold patch depression.
9:35	mob to MW-13 to remove well box & patch depression w/ cold patch.
10:40	finish MW-13. Sign paperwork.
11:10	leave site

Departure Time: \_\_\_\_\_

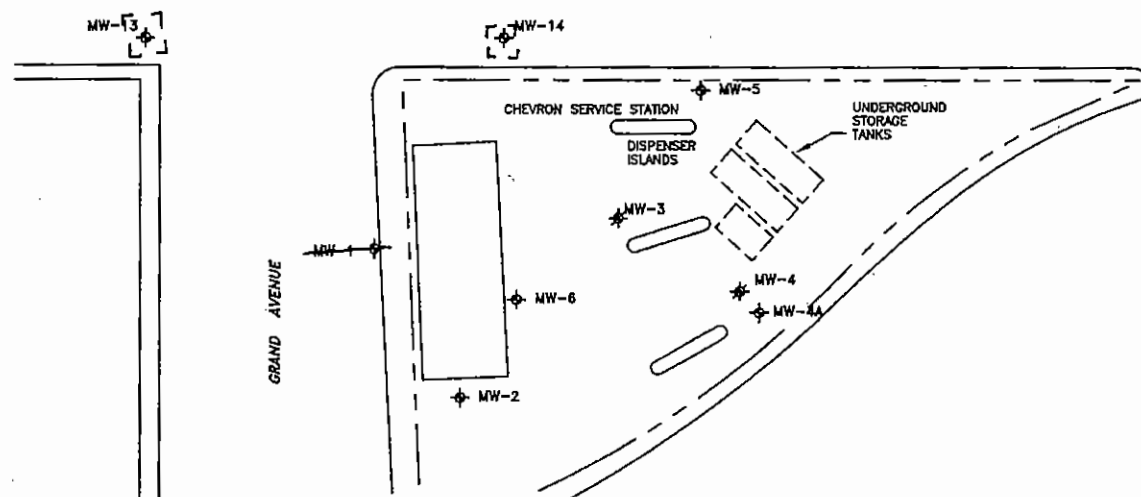
**ATTACHMENT D**  
**WELL COMPLETION REPORTS**

Well Destruction Report  
Former ARCO Service Station No. 2135  
440 3rd Street  
San Rafael, CA  
SECOR Project No.: 77BP.02135.06.0636





THIRD STREET



# LEGEND

- MW-8 GROUNDWATER MONITORING WELL
- APPROXIMATE PROPERTY BOUNDARY
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- GROUNDWATER ELEVATION CONTOUR (FEET ABOVE MEAN SEA LEVEL)
- GROUNDWATER ELEVATION (FEET ABOVE MEAN SEA LEVEL)
- ANOMALOUS DATA NOT USED FOR CONTOURING
- MW-4# WELL DESTROYED

REFERENCE: THIS FIGURE IS BASED ON A "SITE PLAN" PROVIDED BY PACIFIC ENVIRONMENTAL GROUP, INC., AND IS INTENDED FOR ILLUSTRATION ONLY.

0 40 80  
SCALE IN FEET

**SECOR**  
International Incorporated

DRAWN	TMO
APPR	
DATE	01-30-02
JOB NO.	005.02830.004

**FIGURE 1**  
FORMER ARCO STATION #2135  
440 THIRD STREET  
SAN RAFAEL, CALIFORNIA  
**GROUNDWATER ELEVATION CONTOUR MAP  
BASE PLAN**

File Original with DWR

**State of California**

*Refer to Instruction Pamphlet*

No. 10037554

Owner's Well Number MW-7

Date Work Began 03/17/2006

Date Work Ended 3/17/2006

Local Permit Agency Marin County

Permit Number WD 05/06 (9)

Permit Date 3/1/06

**DWR Use Only - Do Not Fill In**

<b>State Well Number/Site Number</b>													
					N								W
<b>Latitude</b>						<b>Longitude</b>							
<b>APN/TRS/Other</b>													

[illegible]

<b>Well Owner</b>	
Name <u>BP - Atlantic Richfield Company c/o Charles Carmel</u>	
Mailing Address <u>P.O.Box 977</u>	
City <u>Alamo</u>	State <u>CA</u> Zip <u>94507</u>
<b>Well Location</b>	
Address <u>440 Third Street</u>	
City <u>San Rafael</u>	County <u>Marin</u>
Latitude _____	N Longitude _____ W
Dec. Min. Sec.	Dec. Min. Sec.
Datum _____	Decimal Lat. _____ Decimal Long. _____
APN Book <u>014</u>	Page <u>093</u> Parcel <u>09</u>
Township _____	Range _____ Section _____
<b>Location Sketch</b>	<b>Activity</b>
(Sketch must be drawn by hand after form is printed)	
North	<input type="radio"/> New Well <input type="radio"/> Modification/Repair <input type="radio"/> Deepen <input type="radio"/> Other _____ <input checked="" type="radio"/> Destroy <small>Describe procedures and materials under "GEOLOGIC LOG"</small>
South	<b>Planned Uses</b>
West	<input type="radio"/> Water Supply <input type="checkbox"/> Domestic <input type="checkbox"/> Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="radio"/> Cathodic Protection <input type="radio"/> Dewatering <input type="radio"/> Heat Exchange <input type="radio"/> Injection <input checked="" type="radio"/> Monitoring <input type="radio"/> Remediation <input type="radio"/> Sparging <input type="radio"/> Test Well <input type="radio"/> Vapor Extraction <input type="radio"/> Other _____
East	

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

**Water Level and Yield of Completed Well**

Depth to first water \_\_\_\_\_ (Feet below surface)  
Depth to Static \_\_\_\_\_  
Water Level \_\_\_\_\_ (Feet) Date Measured \_\_\_\_\_  
Estimated Yield \* \_\_\_\_\_ (GPM) Test Type \_\_\_\_\_  
Test Length \_\_\_\_\_ (Hours) Total Drawdown \_\_\_\_\_ (Feet)  
\*May not be representative of a well's long term yield.

[illegible][illegible]

**Attachments**

☐ Geologic Log


☐ Well Construction Diagram

☐ Geophysical Log(s)

☐ Soil/Water Chemical Analyses

☐ Other \_\_\_\_\_

Attach additional information, if it exists.

Certification Statement				
I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief				
Name <u>URS Corporation for Gregg Drilling</u>				
Person, Firm or Corporation				
<u>1333 Broadway, Suite 800</u>	<u>Oakland</u>	<u>CA</u>	<u>94612</u>	
Address		City	State	Zip
Signed <u></u>	<u>3/20/2006</u>	<u>#485165</u>		
C-57 Licensed Water Well Contractor		Date Signed	C-57 License Number	

**File Original with DWR**

**State of California**

# Well Completion Report

Refer to Instruction Pamphlet  
No. 16087556

Page 1 of 1Owner's Well Number MW-8Date Work Began 03/17/2006Date Work Ended 3/17/2006

Local Permit Agency Marin County

Permit Number WD 05/06 (9)Permit Date 3/1/06

DWR Use Only - Do Not Fill In									
<div style="border: 1px solid black; padding: 5px; text-align: center;">             State Well Number/Site Number           </div>									
Latitude				Longitude					
APN/TRS/Other									

[illegible]

<b>Well Owner</b> Name <u>BP - Atlantic Richfield Company c/o Charles Carmel</u>	
Mailing Address <u>P.O.Box 977</u>	
City <u>Alamo</u>	State <u>CA</u> Zip <u>94507</u>
<b>Well Location</b> Address <u>440 Third Street</u>	
City <u>San Rafael</u>	County <u>Marin</u>
Latitude _____ N Longitude _____ W Deg. Min. Sec.                      Deg. Min. Sec.	
Datum _____ Decimal Lat. _____ Decimal Long. _____	
APN Book <u>014</u> Page <u>093</u>	Parcel <u>09</u>
Township _____ Range _____	Section _____
<b>Location Sketch</b> (Sketch must be drawn by hand after form is printed)	
<div style="display: flex; justify-content: space-between;"> <span>North</span> <span>East</span> </div> <div style="border: 1px solid black; height: 150px; position: relative;"> <span style="position: absolute; left: -30px; top: 50%; transform: translateY(-50%);">West</span> <span style="position: absolute; right: -30px; top: 50%; transform: translateY(-50%);">East</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>South</span> </div>	
Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.	
<b>Activity</b> <input type="radio"/> New Well <input type="radio"/> Modification/Repair <input type="radio"/> Deepen <input type="radio"/> Other _____ <input checked="" type="radio"/> Destroy Describe procedures and materials under "GEOLOGIC LOG"	
<b>Planned Uses</b> <input type="radio"/> Water Supply <input type="checkbox"/> Domestic <input type="checkbox"/> Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="radio"/> Cathodic Protection <input type="radio"/> Dewatering <input type="radio"/> Heat Exchange <input type="radio"/> Injection <input checked="" type="radio"/> Monitoring <input type="radio"/> Remediation <input type="radio"/> Sparging <input type="radio"/> Test Well <input type="radio"/> Vapor Extraction <input type="radio"/> Other _____	
<b>Water Level and Yield of Completed Well</b> Depth to first water _____ (Feet below surface) Depth to Static _____ Water Level _____ (Feet) Date Measured _____ Estimated Yield * _____ (GPM) Test Type _____ Test Length _____ (Hours) Total Drawdown _____ (Feet) *May not be representative of a well's long term yield.	

[illegible]

Attachments	Certification Statement
<input type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input type="checkbox"/> Other _____ Attach additional information, if it exists.	<p>I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief</p> <p>Name <u>URS Corporation for Gregg Drilling</u></p> <p style="padding-left: 80px;">Person, Firm or Corporation</p> <p><u>1333 Broadway, Suite 800</u>                      <u>Oakland</u>                      <u>CA</u>                      <u>94612</u></p> <p style="padding-left: 80px;">Address                      City                      State                      Zip</p> <p>Signed <u>[Signature]</u>                      <u>3/20/2006</u>                      <u>#485165</u></p> <p style="padding-left: 80px;">C-57 Licensed Water Well Contractor                      Date Signed                      C-57 License Number</p>

File Original with DWR

**State of California**

*Refer to Instruction Pamphlet*

No. 10037563

Owner's Well Number MW-9

Date Work Began 03/16/2006

Date Work Ended 3/16/2006

Local Permit Agency Marin County

Permit Number WD 05/06 (9)

Permit Date 3/1/06

DWR Use Only - Do Not Fill In									
State Well Number/Site Number									
Latitude					Longitude				
APN/TRS/Other									

[illegible]

**Well Owner**  
Name BP - Atlantic Richfield Company c/o Charles Carmel  
Mailing Address P.O.Box 977  
City Alamo State CA Zip 94507

**Well Location**  
Address 440 Third Street  
City San Rafael County Marin  
Latitude \_\_\_\_\_ N Longitude \_\_\_\_\_ W  
Deg. Min. Sec. Deg. Min. Sec.  
Datum \_\_\_\_\_ Decimal Lat. \_\_\_\_\_ Decimal Long. \_\_\_\_\_  
APN Book 014 Page 093 Parcel 09  
Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_

Location Sketch		Activity
<div style="border: 1px solid black; height: 150px; position: relative; margin: 5px;"> <div style="position: absolute; top: 0; left: 0; right: 0; text-align: center;">North</div> <div style="position: absolute; bottom: 0; left: 0; right: 0; text-align: center;">South</div> <div style="position: absolute; left: 0; top: 0; bottom: 0; text-align: center;">West</div> <div style="position: absolute; right: 0; top: 0; bottom: 0; text-align: center;">East</div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 48px; opacity: 0.3;">             Odean           </div> </div>		<input type="radio"/> New Well <input type="radio"/> Modification/Repair <div style="margin-left: 20px;"><input type="radio"/> Deepen</div> <div style="margin-left: 20px;"><input type="radio"/> Other _____</div> <input checked="" type="radio"/> Destroy <div style="font-size: 0.8em; margin-top: 5px;">Describe procedures and materials under "GEOLOGIC LOG"</div>
<div style="border: 1px solid black; height: 150px; position: relative; margin: 5px;"> <div style="position: absolute; top: 0; left: 0; right: 0; text-align: center;">North</div> <div style="position: absolute; bottom: 0; left: 0; right: 0; text-align: center;">South</div> <div style="position: absolute; left: 0; top: 0; bottom: 0; text-align: center;">West</div> <div style="position: absolute; right: 0; top: 0; bottom: 0; text-align: center;">East</div> <div style="position: absolute; top: 50%; left: 50%; transform: translate(-50%, -50%); font-size: 48px; opacity: 0.3;">             Odean           </div> </div>		<div style="text-align: center; font-weight: bold; margin-bottom: 10px;">Planned Uses</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="radio"/> Water Supply  <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> Domestic</span> <span><input type="checkbox"/> Public</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> Irrigation</span> <span><input type="checkbox"/> Industrial</span> </div> </div> <div style="width: 50%;"> <input type="radio"/> Cathodic Protection  <input type="radio"/> Dewatering  <input type="radio"/> Heat Exchange  <input type="radio"/> Injection  <input checked="" type="radio"/> Monitoring  <input type="radio"/> Remediation  <input type="radio"/> Sparging  <input type="radio"/> Test Well  <input type="radio"/> Vapor Extraction  <input type="radio"/> Other _____         </div> </div>

Water Level and Yield of Completed Well			
Depth to first water _____	(Feet below surface)		
Depth to Static _____			
Water Level _____	(Feet)	Date Measured _____	
Estimated Yield * _____	(GPM)	Test Type _____	
Test Length _____	(Hours)	Total Drawdown _____	(Feet)
*May not be representative of a well's long term yield.			

[illegible]

Attachments		Certification Statement			
<input type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input type="checkbox"/> Other _____	I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief Name <u>URS Corporation for Gregg Drilling</u> Person, Firm or Corporation <u>1333 Broadway, Suite 800</u> <u>Oakland</u> <u>CA</u> <u>94612</u> Address City State Zip Signed <u>[Signature]</u> <u>3/20/2006</u> C-57 Licensed Water Well Contractor Date Signed #485165 C-57 License Number				
Attach additional information, if it exists.					

File Original with DWR

State of California

# Well Completion Report

*Refer to Instruction Pamphlet*

No. e0375574

Page 1 of 1

Owner's Well Number MW-10

Date Work Began 03/16/2006

Date Work Ended 3/16/2006

Local Permit Agency Marin County

Permit Number WD 05/06 (9)Permit Date 3/1/06

<b>DWR Use Only - Do Not Fill In</b>											
State Well Number/Site Number											
Latitude						Longitude					
APN/TRS/Other											

[illegible]

Well Owner			
Name BP - Atlantic Richfield Company c/o Charles Carmel			
Mailing Address P.O.Box 977			
City	Alamo	State	CA Zip 94507

**Well Location**

Address 440 Thrd Street

City San Rafael County Marin

Latitude \_\_\_\_\_ N Longitude \_\_\_\_\_ W  
\_\_\_\_\_  
Deo. Min. Sec. Deo. Min. Sec.

Datum \_\_\_\_\_ Decimal Lat. \_\_\_\_\_ Decimal Long. \_\_\_\_\_

APN Book 014 Page 093 Parcel 09

Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_

Location Sketch		Activity	
(Sketch must be drawn by hand after form is printed.) <div style="text-align: center;">North</div> <div style="text-align: center;"> </div> <div style="text-align: center;">South</div>		<input type="radio"/> New Well <input type="radio"/> Modification/Repair <input type="radio"/> Deepen <input type="radio"/> Other _____ <input checked="" type="radio"/> Destroy Describe procedures and materials under "GEOLOGIC LOG"	
		Planned Uses	
		<input type="radio"/> Water Supply <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Domestic           <input type="checkbox"/> Public         </div> <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Irrigation           <input type="checkbox"/> Industrial         </div> <input type="radio"/> Cathodic Protection <input type="radio"/> Dewatering <input type="radio"/> Heat Exchange <input type="radio"/> Injection <input checked="" type="radio"/> Monitoring <input type="radio"/> Remediation <input type="radio"/> Sparging <input type="radio"/> Test Well <input type="radio"/> Vapor Extraction <input type="radio"/> Other _____	

**Water Level and Yield of Completed Well**

Depth to first water \_\_\_\_\_ (Feet below surface)  
 Depth to Static \_\_\_\_\_  
 Water Level \_\_\_\_\_ (Feet) Date Measured \_\_\_\_\_  
 Estimated Yield \* \_\_\_\_\_ (GPM) Test Type \_\_\_\_\_  
 Test Length \_\_\_\_\_ (Hours) Total Drawdown \_\_\_\_\_ (Feet)  
 \*May not be representative of a well's long term yield.

[illegible]

Attachment	Certification Statement
<input type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input type="checkbox"/> Other _____ Attach additional information, if it exists.	<p>I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief</p> <p>Name <u>URS Corporation for Gregg Drilling</u></p> <p>Person, Firm or Corporation</p> <p><u>1333 Broadway, Suite 800</u>      <u>Oakland</u>      CA <u>94612</u></p> <p>Address      City      State      Zip</p> <p>Signed <u>[Signature]</u>      <u>3/20/2006</u>      #<u>485165</u></p> <p>C-57 Licensed Water Well Contractor      Date Signed      C-57 License Number</p>







File Original with DWR

**State of California**

## Page 1 of 1

Owner's Well Number MW-13

**Refer to Instruction Pamphlet**

**No. e037560**

Date Work Began 03/17/2006

Date Work Ended 3/17/2006

Local Permit Agency Marin County


Permit Number WD 05/06 (9)Permit Date 3/1/06

DWR Use Only - Do Not Fill In									
State Well Number/Site Number									
Latitude					Longitude				
APN/TRS/Other									

[illegible]

<b>Well Owner</b>	
Name <u>BP - Atlantic Richfield Company c/o Charles Carmel</u>	
Mailing Address <u>P.O.Box 977</u>	
City <u>Alamo</u>	State <u>CA</u> Zip <u>94507</u>
<b>Well Location</b>	
Address <u>440 Third Street</u>	
City <u>San Rafael</u>	County <u>Marin</u>
Latitude _____	N Longitude _____ W
Dec. Min. Sec.	Dec. Min. Sec.
Datum _____	Decimal Lat. _____ Decimal Long. _____
APN Book <u>014</u>	Page <u>093</u> Parcel <u>09</u>
Township _____	Range _____ Section _____
<b>Location Sketch</b>	
(Sketch must be drawn by hand after form is printed.)	
North	
West	East
<b>Activity</b>	
<input type="radio"/> New Well <input type="radio"/> Modification/Repair <input type="radio"/> Deepen <input type="radio"/> Other _____ <input checked="" type="radio"/> Destroy Describe procedures and materials under "GEOLOGICAL LOG"	
<b>Planned Uses</b>	
<input type="radio"/> Water Supply <input type="checkbox"/> Domestic <input type="checkbox"/> Public <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="radio"/> Cathodic Protection <input type="radio"/> Dewatering <input type="radio"/> Heat Exchange <input type="radio"/> Injection <input checked="" type="radio"/> Monitoring <input type="radio"/> Remediation <input type="radio"/> Sparging <input type="radio"/> Test Well <input type="radio"/> Vapor Extraction <input type="radio"/> Other _____	
<b>Notes</b>	
Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.	

[illegible]

Attachments	Certification Statement
<input type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input type="checkbox"/> Other _____ Attach additional information, if it exists.	I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief Name <u>URS Corporation for Gregg Drilling</u> Person, Firm or Corporation <u>1333 Broadway, Suite 800</u> <u>Oakland</u> <u>CA</u> <u>94612</u> Address City State Zip Signed <u></u> <u>3/20/2006</u> <u>#485165</u> C-57 Licensed Water Well Contractor Date Signed C-57 License Number



State of California

# Well Completion Report

*Refer to Instruction Pamphlet*

No. e037561

Page 1 of 1Owner's Well Number MW-14Date Work Began 03/16/2006Date Work Ended 3/16/2006

Local Permit Agency Marin County

Permit Number WD 05/06 (9)Permit Date 3/1/06

<b>DWR Use Only - Do Not Fill In</b>										
<b>State Well Number/Site Number</b>										
					<b>N</b>					<b>W</b>
<b>Latitude</b>					<b>Longitude</b>					
<b>APN/TRS/Other</b>										

[illegible]

Well Owner			
Name BP - Atlantic Richfield Company c/o Charles Carmel			
Mailing Address P.O.Box 977			
City	Alamo	State	CA Zip 94507

**Well Location**

Address 440 Third Street

City San Rafael County Marin

Latitude \_\_\_\_\_ N Longitude \_\_\_\_\_ W  
Dec. Min. Sec. Dec. Min. Sec.

Datum \_\_\_\_\_ Decimal Lat. \_\_\_\_\_ Decimal Long. \_\_\_\_\_

APN Book 014 Page 093 Parcel 09

Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_

Location Sketch		Activity
(Sketch must be drawn on half a sheet of paper) <div style="text-align: center;">North</div> <div style="text-align: center;"> </div> <div style="text-align: center;">East</div> <div style="text-align: center;">South</div>		<input type="radio"/> New Well <input type="radio"/> Modification/Repair <input type="radio"/> Deepen <input type="radio"/> Other _____ <input checked="" type="radio"/> Destroy Describe procedures and materials under "GEOLOGIC LOG"
		<b>Planned Uses</b> <input type="radio"/> Water Supply <div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> Domestic           <input type="checkbox"/> Public         </div> <div style="display: flex; justify-content: space-around;"> <input type="checkbox"/> Irrigation           <input type="checkbox"/> Industrial         </div> <input type="radio"/> Cathodic Protection <input type="radio"/> Dewatering <input type="radio"/> Heat Exchange <input type="radio"/> Injection <input checked="" type="radio"/> Monitoring <input type="radio"/> Remediation <input type="radio"/> Sparging <input type="radio"/> Test Well <input type="radio"/> Vapor Extraction <input type="radio"/> Other _____

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

<b>Water Level and Yield of Completed Well</b>	
Depth to first water _____	(Feet below surface)
Depth to Static _____	
Water Level _____	(Feet) Date Measured _____
Estimated Yield * _____	(GPM) Test Type _____
Test Length _____	(Hours) Total Drawdown _____ (Feet)
*May not be representative of a well's long term yield.	

[illegible]

<b>Attachments</b> <input type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input type="checkbox"/> Other _____ <small>Attach additional information, if it exists.</small>		<b>Certification Statement</b> I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief Name <u>URS Corporation for Gregg Drilling</u> Person, Firm or Corporation <u>1333 Broadway, Suite 800</u> <u>Oakland</u> <u>CA</u> <u>94612</u> Address City State Zip Signed <u>[Signature]</u> <u>3/20/2006</u> C-57 Licensed Water Well Contractor Date Signed C-57 License Number	
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File Original with DWR

**State of California**

**Refer to Instruction Pamphlet**

No. e037562

Owner's Well Number MW-15Date Work Began 03/16/2006Date Work Ended 3/16/2006

Local Permit Agency Marin County

Permit Number WD 05/06 (9)Permit Date 3/1/06

<b>DWR Use Only - Do Not Fill In</b>													
State Well Number/Site Number													
								N					W
Latitude									Longitude				
APN/TRS/Other													

[illegible]

<b>Wall Owner</b>			
Name <u>BP - Atlantic Richfield Company c/o Charles Carmel</u>			
Mailing Address <u>P.O.Box 977</u>			
City <u>Alamo</u>	State <u>CA</u>	Zip <u>94507</u>	

**Well Location**

Address 440 Third Street

City San Rafael County Marin

Latitude 37 55 30 N Longitude 122 27 00 W

Dec. Min. Sec. Dec. Min. Sec.

Datum NAD 83 Decimal Lat. 37.925000 Decimal Long. -122.450000

APN Book 014 Page 093 Parcel 09


Township 37N Range 12E Section 09

Location Sketch		Activity	
<p>North</p> <p>West</p> <p>East</p> <p>South</p>		<p> <input type="radio"/> New Well  <input type="radio"/> Modification/Repair  <input type="radio"/> Deepen  <input type="radio"/> Other _____  <input checked="" type="radio"/> Destroy         </p> <p>Describe procedures and materials under "GEOLOGIC LOG"</p>	
		<p>Planned Uses</p> <p> <input type="radio"/> Water Supply  <input type="checkbox"/> Domestic <input type="checkbox"/> Public  <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial         </p> <p> <input type="radio"/> Cathodic Protection  <input type="radio"/> Dewatering  <input type="radio"/> Heat Exchange  <input type="radio"/> Injection  <input checked="" type="radio"/> Monitoring  <input type="radio"/> Remediation  <input type="radio"/> Sparging  <input type="radio"/> Test Well  <input type="radio"/> Vapor Extraction  <input type="radio"/> Other _____         </p>	

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

<b>Water Level and Yield on Completed Well</b>	
Depth to first water _____	(Feet below surface)
Depth to Static _____	
Water Level _____	(Feet) Date Measured _____
Estimated Yield * _____	(GPM) Test Type _____
Test Length _____	(Hours) Total Drawdown _____ (Feet)
*May not be representative of a well's long term yield.	

[illegible]

Attachments	Certification Statement
<input type="checkbox"/> Geologic Log <input type="checkbox"/> Well Construction Diagram <input type="checkbox"/> Geophysical Log(s) <input type="checkbox"/> Soil/Water Chemical Analyses <input type="checkbox"/> Other _____	<p>I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief</p> <p>Name <u>URS Corporation for Gregg Drilling</u></p> <p>Person, Firm or Corporation</p> <p>1333 Broadway, Suite 800                      Oakland                      CA                      94612</p> <p>Address                      City                      State                      Zip</p> <p>Signed <u></u>                      3/20/2006                      #485165</p> <p>C-57 Licensed Water Well Contractor                      Date Signed                      C-57 License Number</p>